

# MATERIAL SAFETY DATA SHEET

FOR COATINGS, RESINS AND RELATED MATERIALS

(Approved by U.S. Department of Labor "Essentially Similar" to Form OSHA-20)

DATE OF PREP APRIL 1984

Dpm 3444  
Series

## Section I

MANUFACTURER'S NAME BOSTIK WEST/DIVISION OF USM CORPORATION/EMHART

STREET ADDRESS 20846 SOUTH NORMANDIE AVENUE CITY, STATE, AND ZIP CODE TORRANCE, CALIFORNIA 90502

EMERGENCY TELEPHONE NO. (213) 320-6800

PRODUCT CLASS EPOXY SILK SCREEN WHITE

MANUFACTURERS CODE IDENTIFICATION

Catalyst: CA-66

Mix Ratio: 100 gms. 446-1-500 (BASE)  
to 14.3 gms. CA-66 by volume.

TRADE NAME BOSTIK

white  
446-1-500

## Section II - HAZARDOUS INGREDIENTS

INGREDIENT 446-1-500 (BASE ONLY)	CAS NO.	PERCENT (WT.)	TLV		LEL	VAPOR PRESSURE
			PPM	mg/M <sup>3</sup>		
CELLOSOLVE ACETATE	111-15-9	5-10	1005	540	1.7	1.2 mmHg @ 20° C.
CARBITAL ACETATE	112-34-5	5-10	N.E.		0.9	0.1
D.P.M. SOLVENT	112-07-2	5-10	N.E.		0.5	1

## Section III - PHYSICAL DATA

BOILING RANGE 320° to 370° F.

VAPOR DENSITY

☒ HEAVIER

☐ LIGHTER THAN AIR

4.8

EVAPORATION RATE ☐ FASTER ☒ SLOWER THAN ETHER

PERCENT VOLATILE BY VOLUME

WEIGHT PER GALLON

11.3 lbs.

## Section IV - FIRE AND EXPLOSION HAZARD DATA

DOT CATEGORY

(MIN.)

FLASH POINT 126° F. TAG CLOSED CUP

LEL 0.5

EXTINGUISHING MEDIA

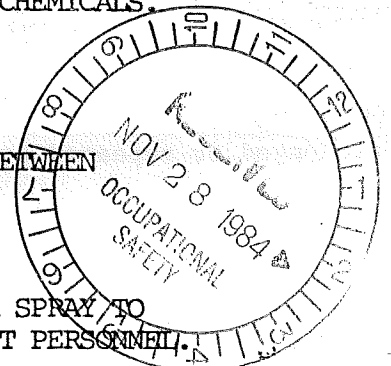
EXCLUDE AIR - USE FOAM, CO<sub>2</sub>, STEAM, WATER FOG, DRY CHEMICALS.  
DO NOT USE WATER.

UNUSUAL FIRE AND EXPLOSION HAZARDS

VAPOR FORMS EXPLOSIVE MIXTURE WITH AIR BETWEEN UPPER AND LOWER EXPLOSION LIMITS.

SPECIAL FIRE FIGHTING PROCEDURES

DO NOT USE WATER, EXCLUDE AIR, USE WATER SPRAY TO COOL FIRE EXPOSED SURFACES AND TO PROTECT PERSONNEL.



## Section V — HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE 50 ppm  
EFFECTS OF OVEREXPOSURE May cause skin irritation.

### EMERGENCY AND FIRST AID PROCEDURES

**SKIN CONTACT:** Remove excess, flush with plenty of water, then wash with soap and water.  
**EYE CONTACT:** Remove excess immediately, flush with running water for 10 to 15 minutes, consult physician.  
**INHALATION:** Remove to fresh air, keep warm and quiet.

## Section VI — REACTIVITY DATA

STABILITY ☐ UNSTABLE ☒ STABLE  
INCOMPATIBILITY (Materials to avoid) Strong oxidants  
HAZARDOUS DECOMPOSITION PRODUCTS  
Thermal decomposition may produce carbon monoxide and/or carbon dioxide.  
HAZARDOUS POLYMERIZATION ☐ MAY OCCUR ☒ WILL NOT OCCUR  
CONDITIONS TO AVOID High temperature & open flames.

## Section VII — SPILL OR LEAK PROCEDURES

### STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Cover with absorbent material and remove to waste container. Avoid sparks and open flames.  
Provide adequate ventilation.

### WASTE DISPOSAL METHOD

Bury in approved land fill or incinerate in furnace.

## Section VIII — SPECIAL PROTECTION INFORMATION

### RESPIRATORY PROTECTION

Hydrocarbon vapor canister in closed confined areas with poor ventilation.

### VENTILATION

Good ventilation system. Have respirators available should ventilation system fail.

**PROTECTIVE GLOVES** Hydrocarbon-insoluble rubber or plastic.

**EYE PROTECTION** Chemical goggles or face shield.

**OTHER PROTECTIVE EQUIPMENT** Hydrocarbon-insoluble apron, eye wash, safety shower.

## Section IX — SPECIAL PRECAUTIONS

### PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Store in close containers in a cool, dry area. Avoid heat and open flames. Use with adequate ventilation.

### OTHER PRECAUTIONS

Avoid prolonged or repeated breathing of vapors or contact with skin.

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## Section I

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EMERGENCY TELEPHONE NO. (213) 320-6800

PRODUCT CLASS EPOXY  
(DPM 3444)

TRADE NAME BOSTIK

MANUFACTURERS CODE IDENTIFICATION CA-66

Catalyst for 446-1-500 (BASE)

Mix Ratio: 100 gms. 446-1-500 (BASE) (white)  
to 14.3 gms. CA-66 by volume.

## Section II — HAZARDOUS INGREDIENTS

INGREDIENT	CAS NO.	PERCENT (WT.)	TLV		LEL	VAPOR PRESSURE
			PPM	mg/M <sup>3</sup>		
BUTYL CELLOSOLVE	111-76-2	40-45	50		1.1	1
METHYL ISOBUTYL KETONE	108-10-1	5-10	100		1.4	15
XYLENE	1330-20-7	5-10	100		1.0	7
ECH (ANSI CLASS 2) Epichlorohydrin	25068-38-6	25-30	<5		---	---
DETA Diethylenetriamine		15-20	<1		---	<1 mm Hg

## Section III — PHYSICAL DATA

BOILING RANGE 241° to 340° F.

VAPOR DENSITY

☒ HEAVIER

☐ LIGHTER THAN AIR

EVAPORATION RATE

☐ FASTER

☒ SLOWER THAN ETHER

PERCENT VOLATILE BY VOLUME

60%

WEIGHT PER GALLON

8 lbs.

## Section IV — FIRE AND EXPLOSION HAZARD DATA

DOT CATEGORY RED LABEL, FLAMMABLE

(MIN.)  
FLASH POINT

74° F.

TAG CLOSED CUP

LEL 1.0

EXTINGUISHING MEDIA

EXCLUDE AIR - USE FOAM, CO<sub>2</sub>, STEAM, WATER FOG, DRY CHEMICALS.  
DO NOT USE WATER.

UNUSUAL FIRE AND EXPLOSION HAZARDS

VAPOR FORMS EXPLOSIVE MIXTURE WITH AIR BETWEEN  
UPPER AND LOWER EXPLOSION LIMITS.

SPECIAL FIRE FIGHTING PROCEDURES

DO NOT USE WATER, EXCLUDE AIR, USE WATER SPRAY TO  
COOL FIRE EXPOSED SURFACES AND TO PROTECT PERSONNEL.

## Section V — HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE : See Section II

EFFECTS OF OVEREXPOSURE : Headache, nausea, dizziness. Breathing vapor will be irritating to nose, throat, and eyes.

Emergency and first aid procedures: Skin Exposure: Wash affected area with soap and water.

Eye Exposure: Flush with water for at least 15 minutes, consult physician.

Ingestion: Consult physician immediately.

Inhalation: Remove victim to fresh air., consult physician.

## Section VI — REACTIVITY DATA

STABILITY ☐ UNSTABLE ☒ STABLE

CONDITIONS TO AVOID: Storage at high temperatures.

Incompatibility(Materials to avoid) : Strong oxidizing agents. Sparks & open flame

Hazardous Decomposition Products: On combustion CO, CO<sub>2</sub>, Aldehydes and other organics, oxides of nitrogen.

HAZARDOUS POLYMERIZATION ☐ MAY OCCUR ☒ WILL NOT OCCUR

CONDITIONS TO AVOID

## Section VII — SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED : Eliminate sources of ignition and clear fumes from area. Prevent liquid from entering sewers, water sources, or low areas. Keep unnecessary personnel away. Shut off source, if possible to do so without hazard. Contain spilled liquid with sawdust, sand or oil absorbing compound. Wash area with detergent & water.

WASTE DISPOSAL METHOD  
Consult disposal expert and ensure conformity with local regulations.

## Section VIII — SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION : Use approved respiratory protection such as an air-supplied mask if used in non-ventilated area.

Mechanical: Explosion-proof ventilation equipment. No smoking or open lights.

VENTILATION : Face velocity > 60 fpm in confined area

Protective Gloves: Chemically resistant gloves.

EYE PROTECTION : Chemical splash goggles or face shield.


OTHER PROTECTIVE EQUIPMENT : Eye bath & Safety Shower.

## Section IX — SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING : Keep containers closed when not in use. Do not handle or store near flame, heat or strong oxidants. Adequate ventilation required. Containers of this product may be hazardous when emptied - these containers retain product residues (vapor, liquid, etc).

OTHER PRECAUTIONS

All handling equipment should be electrically grounded. Treat as a very flammable liquid.

  
Lee A. Dickinson  
Technical Service Manager